



*Date of Application, 21st Sept., 1889—Accepted, 2nd Nov., 1889*

COMPLETE SPECIFICATION.

Improvements in Apparatus for Administering Chloroform.

I, CURT SCHIMMELBUSCH, of the Royal Hospital, Ziegelstrasse, Berlin, in the Kingdom of Prussia and German Empire, Assistant Medical Practitioner, do hereby declare the nature of my said Invention and the manner in which the same is to be performed to be particularly described and ascertained in and by the following statement :—

Up to the present time the usual Chloroform masks have consisted of a wire frame, over which there was stretched a material pervious to the air. The repeated use of one and the same covering for several patients is in view of cleanliness, and contagion of disease, undesirable. Washing, and the long continued use with Chloroform, in consequence of the shrinking of the material, diminish its perviousness to the air, which is a serious matter, since the patient with safety to his life may only inhale chloroform mixed with air, through the mask. To supply for every separate case a new specially made covering, is very expensive : and the medical man is therefore in the difficulty of either disregarding the question of expense, or considering the risks of the repeated use to which I have just referred.

The present invention purposes in the first place, to effect the renewal of the covering material, cheaply, simply, and with expedition. It accomplishes this by not requiring a specially made covering, but admits of the drawing over the material pervious to the air, without any previous preparation. This is done by placing the material on the wire frame work, and by fixing it down at the edges or rim, by means of an overlapping loop or clamp, and then cutting off with a pair of scissors the superfluous material. A great advantage of this invention is, that any kind of material whatever, not specially prepared, can be used, which admits of the passage of the air, to cover the mask.

In the annexed drawing,

Figure 1 is a plan of the mask according to this invention.

Figure 2 is a side view of the mask with the clamp raised.

The mask consists of an oval grooved ring, A, adapted to the shape of the face, and made of metal, and is supplied at the one side with a hinge B, and on the other side with a convenient handle C. At the inner side of the ring A, there are two bent wires *a* and *b* bent in the axes of the oval. Attached to the grooved ring A and hinged at B there is a suitable loop or clamp D, which is fastened with a clasp arrangement on the opposite side to the hinge.

The mode of proceeding, when using the said mask, is to turn up the loop or clamp D, to lay the pervious material over the wires *a* and *b*, and by shutting down the loop or clamp towards the grooves of the ring A, so as to fix it. The material overlapping the ring is then cut off with a pair of scissors.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed I declare that what I claim is :—

1. A mask for administering Chloroform, consisting of a grooved ring, curved on the inner side, and provided with wires arching from one side to the other, onto which a material, admitting the passage of air, is laid, and held by means of a loop, or clamp.

2. A mask for administering Chloroform such as described and shown in the drawing hereto annexed.

Dated this Twentieth day of September 1889.

CHEESBROUGH & ROYSTON,  
15, Water Street, Liverpool, Agents for the Applicant.







Fig. 1.

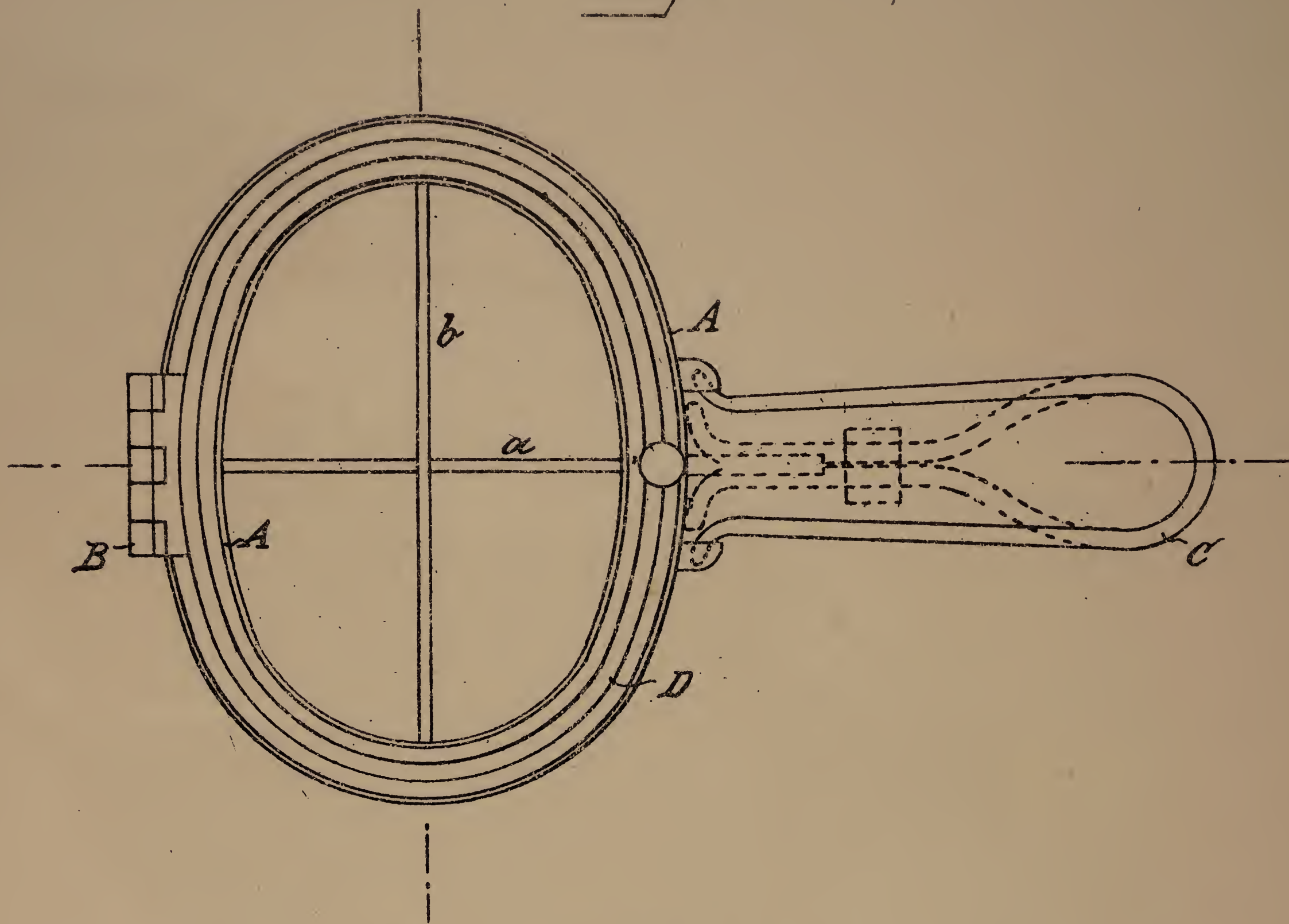
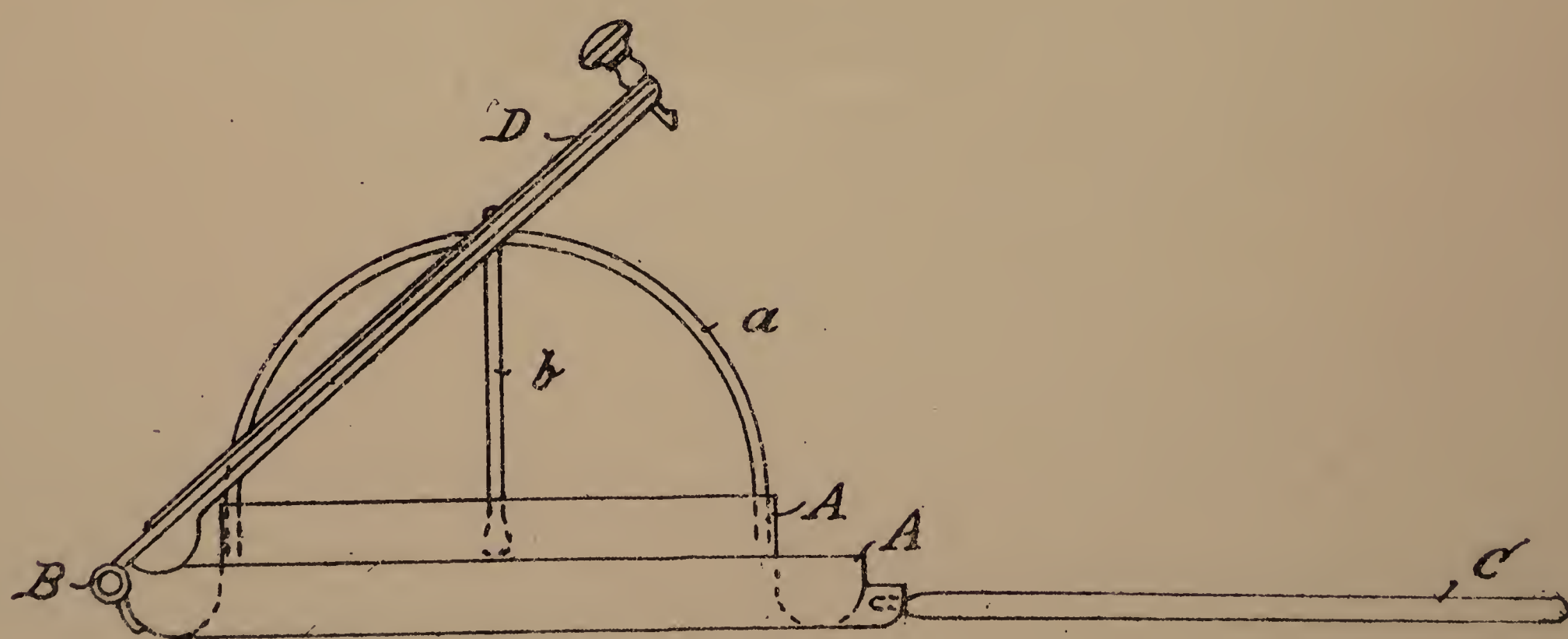


Fig. 2.



[This Drawing is a reproduction of the Original on a reduced scale.]

